## WHAT IS CLAIMED IS:

1	1. An isolated polynucleotide which specifically modulates transcription	n
2	in a plant suspensor cell and/or basal region of a plant embryo, the polynucleotide comprise	ing
3	a promoter control element comprising,	
4	(a) a nucleotide sequence having at least 50% sequence identity to	
5	nucleotides 3329 to 3475 of SEQ ID NO:1; or	
6	(b) a nucleotide sequence which hybridizes to nucleotides 3329 to 3475	of
7	SEQ ID NO:1 under a condition establishing a T <sub>m</sub> minus 20°C.	
1	2. The isolated polynucleotide of claim 1, comprising	
. 2	(a) a nucleotide sequence having at least 50% sequence identity to SEQ	ID
<u>,</u> 3	NO:1; or	
<b>4</b>	(b) a nucleotide sequence which hybridizes to SEQ ID NO:1 under a	
14 15	condition establishing a T <sub>m</sub> minus 20°C.	
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	3. The isolated polynucleotide of claim 1, wherein the polynucleotide	
-2	comprises nucleotides 3324 to 3580 of SEQ ID NO:1.	
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<u>, 1</u>	4. An expression cassette comprising a promoter sequence, the promote	er
<u>2</u> 3	sequence comprising,	
3	i. a nucleotide sequence having at least 50% sequence identity to	
4	nucleotides 3329 to 3475 of SEQ D NO:1; and	
5	ii. a promoter polynucleotide with at least basal promoter activity, which	ιh
. 6	promoter polynucleotide is operably linked to a heterologous polynucleotide,	
7	wherein when the expression cassette is inserted into a plant, the heterologo	us
8	polynucleotide is specifically expressed in a suspensor cell and/or basal region of a plant	
9	embryo.	
1	5. The expression cassette of claim 4, wherein the nucleotide sequence	
2	comprises nucleotides/3329 to 3475 of SEQ ID NO:1	
1	6. An isolated polynucleotide which specifically modulates transcription	
2	in a plant suspensor cell and/or basal region of a plant embryo, the polynucleotide comprisi	ing
3	a promoter comprising,	

4	(a)	a nucleotide sequence having at least 50% sequence identity to SEQ ID
5	NO:1 or nucleotides	1 to 3154 of SEQ ID NO:6;
6	(b)	a nucleotide sequence which hybridizes to SEQID NO:1 or
7	nucleotides 1 to 3154	of SEQ ID NO:6 under a condition establishing a T <sub>m</sub> minus 20°C.
1	7.	The isolated polynucleotide of claim 6, wherein the promoter
2	comprises SEQ ID N	O:1.
1 .	8.	The isolated polynucleotide of claim 6, wherein the promoter
2	comprises nucleotide	s 1 to 3154 of SEQ ID NO:6.
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1	9.	The isolated polynucleotide of claim 6, further comprising a G564
2	polynucleotide operal	bly linked to the promoter.
() () () () ()	10.	The isolated polynucleotide of claim 9, wherein the isolated
2	polynucleotide comp	/
	porynacionae comp	
(0 <sub>1</sub>	11.	The isolated polynucleotide of claim 6, further comprising a G541
.2	polynucleotide operal	bly linked to the promoter.
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1	12.	The isolated polynucleotide of claim 9, wherein the isolated
2	polynucleotide comp	rises SEQ ID NO:6.
	13.	The isolated polynucleotide of claim 6, further comprising a
2		electide operably/linked to the promoter.
2	neterologous polynuc	rectitue operatify mixed to the promoter.
1	14.	A vector comprising a promoter of claim 6 operably linked to a
2	heterologous nucleic	acid sequence.
1	15.	The vector of claim 14, wherein the promoter is SEQ ID NO:1.
1	16.	The vector of claim 14, wherein the promoter comprises nucleotides 1
2	to 3154 of SEQ ID N	O:6. /
_1_	17	A-host cell-comprising-a-promoter-of claim-6.
1	. 10	The host cell of claim 17, wherein the promoter comprises SEQ ID
1	18.	/ wherein the promoter comprises 3EQ ID
2	NO:1.	

1 2	19. 1 to 3154 of SEQ ID	The host cell of claim 17, wherein the promoter comprises nucleotides NO:6.
1	20.	The host cell of claim 17, wherein the host cell is a plant cell.
1	21.	A host cell comprising the vector of claim 14.
1	22.	A plant comprising the polynucleotide of claim 13.
1	23.	A plant of claim 22, wherein the promoter comprises SEQ ID NO:1.
1	24.	A plant of claim 22, wherein the promoter comprises nucleotides 1 to
2	3154 of SEQ ID NO	):6. /
1	25.	A plant comprising a vector of claim 14.
	26.	A method of modulating transcription in a plant suspensor cell and/or
2	basal region of a pla	nt embryo, the method comprising introducing into a plant an expression
3	cassette comprising	the promoter of claim 1.
<u>1</u>	27.	The method of claim/26, wherein the promoter comprises SEQ ID
2	NO:1.	
2 1 1 2	28.	The method of claim 26, wherein the promoter comprises nucleotides 1
2	to 3154 of SEQ ID N	VO:6.
1	29.	The method of claim 26, wherein a G564 polynucleotide is operably
2	linked to the promot	er.
1	30.	The method of claim 26, wherein the promoter is operably linked to a
2	heterologous polynu	cleotide
1	31.	The method of claim 30, wherein the promoter is operably linked to
2	the heterologous pol	ynucleotide in an antisense orientation.
1	32.	An isolated nucleic acid comprising a polynucleotide, or complement
2	thereof, encoding a	/ G564 polypeptide exhibiting at least 50% sequence identity to SEQ ID
3	NO:3.	

1	33. The isolated nucleic acid of claim 32, wherein the G564 polypeptide	
2	comprises SEQ ID NO:3.	
1	34. The isolated nucleic acid of claim 32, wherein the nucleic acid further	
2	comprises a promoter operably linked to the polynucleotide.	
1	35. The isolated nucleic acid of claim 34, wherein the promoter is a	
2	constitutive promoter.	
2	constitutive promoter.	
1	36. The isolated nucleic acid of claim 34, wherein the polynucleotide is	
2	linked to the promoter in an antisense orientation.	
1	37. An isolated nucleic acid comprising a polynucleotide, or complement	
2	thereof, encoding a C541 polypeptide exhibiting at/least 50% sequence identity to SEQ ID	
3	NO:7.	
	10.7.	
13 11 11	38. The isolated nucleic acid of claim 37, wherein the C541 polypeptide	
2	comprises SEQ ID NO:7.	
	39. The isolated nucleic acid of claim 37, wherein the nucleic acid further	
	comprises a promoter operably linked to the polynucleotide.	
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-2 -1 -2	40. The isolated nucleic acid of claim 39, wherein the promoter is a	
2	constitutive promoter.	
1	41. The isolated nucleic acid of claim 39, wherein the polynucleotide is	
2	linked to the promoter in an antisense orientation.	
1	42. An expression cassette comprising a promoter operably linked to a	
2	heterologous polynucleotide sequence, or a complement thereof, encoding a G564	
3	polypeptide exhibiting at least 50% sequence identity to SEQ ID NO:3.	
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1	43. The expression cassette of claim 42, wherein the G564 polypeptide	
<u>2</u>	comprises SEQ ID NO: 3.	
1	44. The expression cassette of claim 42, wherein the G564 polynucleotide	
2	comprises nucleotides 4242 to 4901 of SEO ID NO: 2	



1	45.	The expression cassette of claim 42, wherein the promoter is a
2	constitutive promoter.	
1	46.	The expression cassette of claim 42, wherein the polynucleotide is
2	linked to the promoter	in an antisense orientation.
1	47.	An expression cassette comprising a promoter operably linked to a
2	heterologous polynucle	eotide, or a complement thereof, encoding a C541 polypeptide
3	exhibiting at least 50%	sequence identity to SEQ ID NO:7.
1	48.	The expression cassette of claim/47, wherein the C541 polypeptide
2	comprises SEQ ID NO	
<b>[]1</b>	<b>49</b> . ′	The expression cassette of claim 47, wherein the C541 polynucleotide
51 -2 -1 -1	-	3155 to 3552 of SEQ ID NO: 6.
==1 (ä	50.	The expression cassette of claim 47, wherein the promoter is a
<b>,ī2</b> ∖	constitutive promoter.	
<u>"</u> 1	51.	The expression cassette of claim 47, wherein the polynucleotide is
-2 -1 -1	linked to the promoter	in an antisense orientation.
<b>1</b>	52.	A host cell comprising an exogenous nucleic acid comprising a
-2	polynucleotide, or com	plement thereof, encoding a G564 polypeptide exhibiting at least 80%
3	sequence identity to SI	EQ ID NO:3.
1	53.	The host cell of claim 52, wherein the nucleic acid further comprises a
2	promoter operably link	ed to the polynucleotide.
1	54. ′	The host cell of claim 53, wherein the promoter is constitutive.
1	55.	The host cell of claim 53, wherein the promoter is operably linked to
2	the polynucleotide in a	antisense orientation.
		A host cell comprising an exogenous nucleic acid comprising a
1	/	plement thereof, encoding a C541 polypeptide exhibiting at least 50%
2		
3	sequence identity/to SEQ ID NO:7.	

1	57. The host cell of claim 56, wherein the nucleic agid further comprises a		
2	promoter operably linked to the polynucleotide.		
1	58. The host cell of claim 57, wherein the promoter is constitutive.		
1	59. The host cell of claim 57, wherein the promoter is operably linked to		
2	the polynucleotide in an antisense orientation.		
1	60. A transgenic plant comprising a recombinant expression cassette, the		
2	recombinant expression cassette comprising a polynucleotide, or complement thereof,		
3	encoding a G564 polypeptide exhibiting at least 50% sequence identity to SEQ ID NO:3.		
1	61. The transgenic plant of claim 60, wherein the G564 polypeptide		
[]2	comprises SEQ ID NO:3.		
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1 1	62. The transgenic plant of claim 60, wherein the polynucleotide		
:: ::2	comprises nucleotides 4242 to 4901 of SEQ ID NO:2.		
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\.[1	63. The transgenic plant of claim 60, wherein the nucleic acid further		
2	comprises a promoter operably linked to the polynucleotide.		
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ry) en	64. The transgenic plant of claim 63, wherein the promoter is a constitutive		
(1 <u>2</u> (1	promoter.		
1	65. The transgenic plant of claim 60, wherein the polynucleotide is linked		
2	to the promoter in an antisense ofientation.		
1	66. A transgenic plant comprising a recombinant expression cassette, the		
1			
2	recombinant expression cassette comprising a polynucleotide, or complement thereof,		
3	encoding a C541 polypeptide exhibiting at least 50% sequence identity to SEQ ID NO:7.		
1	67. The transgenic plant of claim 66, wherein the G541 polypeptide		
2	comprises SEQ ID NO:7.		
2	comprises B2Q 12 Tro		
1	68. The transgenic plant of claim 66, wherein the polynucleotide		
2	comprises nucleotides 3155 to 3552 of SEQ ID NO: 6.		

1		<b>69</b> .	The transgenic plant of claim 66, wherein the nucleic acid further
2	comprises a p	romoter	operably linked to the polynucleotide.
		70	The transport of the following 60 mb are in the properties a constitutive
1		70.	The transgenic plant of claim 69, wherein the promoter is a constitutive
2	promoter.		
1		71.	The transgenic plant of claim 66, wherein the polynucleotide is linked
2	to the promote	er in an	antisense orientation.
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1		72.	An isolated polypeptide comprising an amino acid sequence at least
2	80% identical	to SEQ	Q ID NO:3.
1		73.	The isolated polypeptide of claim 72, wherein the polypeptide is SEQ
i ii o	ID NO:3.	75.	The isolated polypoptide of claim 72, wherein the polypoptide is 522
	ш но.з.		
1 1 2 1		74.	An isolated polypeptide comprising an amino acid sequence at least
2	80% identical	to SEQ	Q ID NO:7.
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		<i>7</i> 5.	The isolated polypeptide of claim 74, wherein the polypeptide is SEQ
2	ID NO:7.		
þá ľů		76.	An antibody capable of binding the isolated polypeptide of claim 72.
10		, 0.	
		77.	An antibody capable of binding the isolated polypeptide of claim 74.
1.0	,bcl)	78.	A method of introducing an isolated polynucleotide into a host cell
18	) } 	70.	A method of introducing an isolated polyhocicotide into a host een
2	comprising:		(a) unaviding an included malamateride apparding to aloim 1; and
3			(a) providing an isolated polynucleotide according to claim 1; and
4			(b) contacting the polynucleotide with the host cell under
5	conditions tha	it permi	t insertion of the polynucleotide into the host cell.
1		79.	A method of detecting a polynucleotide in a sample, comprising
2		(a)	providing an isolated polynucleotide according to claim 1;
3		(b)	contacting the isolated polynucleotide with a sample under conditions
4	which permit	a comp	arison of the sequence of the isolated polynucleotide with the sequence
5	of DNA in the	•	
6		(c)	analyzing the result of the comparison.
		•	
			1 16
			<i>S</i> ( )
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- 1 80. The method of claim 1/9, wherein the isolated polynucleotide and the
- 2 sample are contacted under conditions which permit the formation of a duplex between
- 3 complementary nucleic acid sequences.

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